

ABSTRACT OF THE DISCLOSURE

An electronic pulse generation device has an emitter section having a plate shape, a cathode electrode formed on a front surface of the emitter section, an anode electrode formed on a back surface of the emitter section, and a pulse generation source which applies a drive voltage between the cathode electrode and the anode electrode through a resistor. The anode electrode is connected to GND through another resistor. A collector electrode is provided above the cathode electrode, and the collector electrode is coated with a phosphor layer. A bias voltage is applied to the collector electrode through another resistor.